



Zero Net Energy:

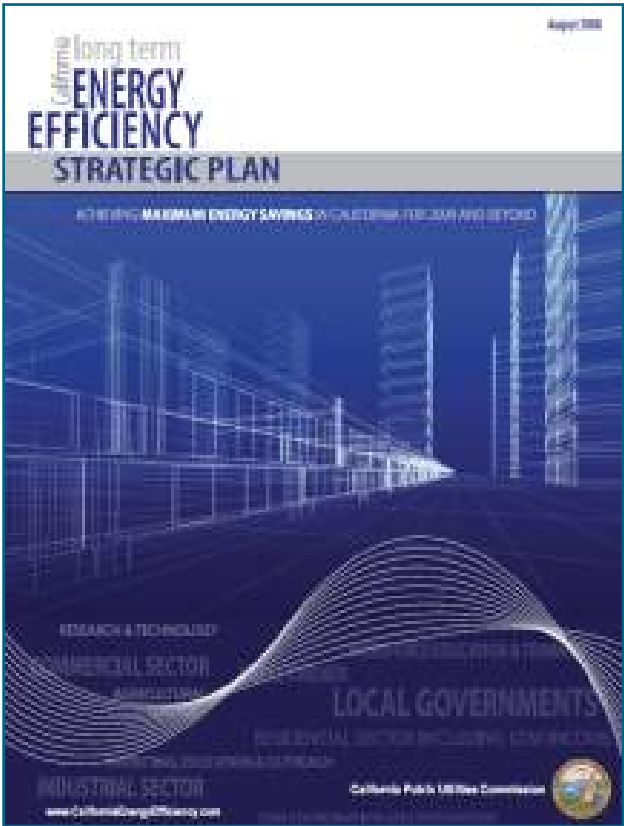
Pilot Program Overview

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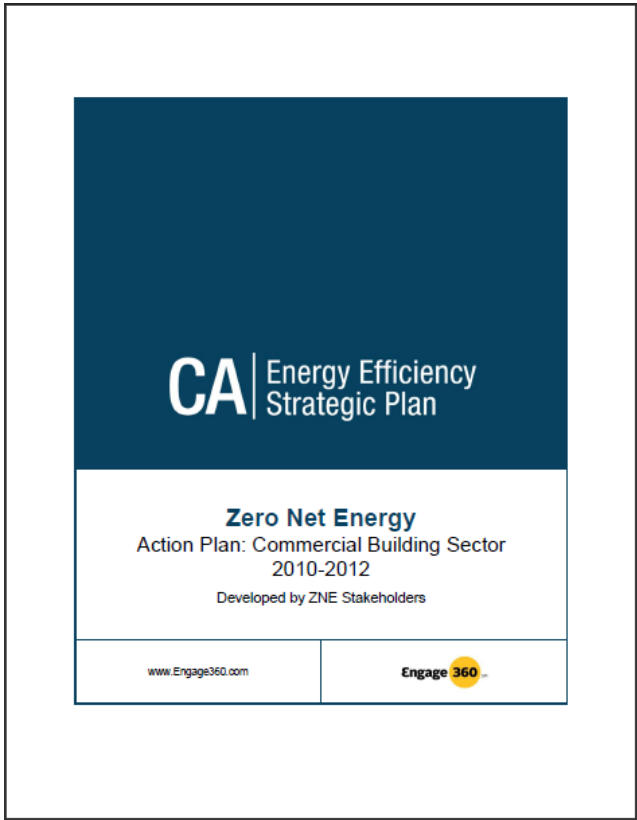
ZNE Pilot Program Overview

1. Why?
2. What?
3. Specifics

California's Long Term Energy Efficiency Strategic Plan



2008



2010

California's Long Term Energy Efficiency Strategic Plan



2020:
All Residential New
Construction to be Zero Net
Energy



2030:
All Commercial New
Construction to be Zero Net
Energy

Objectives of PG&E's ZNE Pilot Program

The ZNE Program will *investigate, research, raise awareness* of, and advance the EE designs, technologies, and processes that can lead to the *construction* and *operation* of ZNE buildings and communities.



Chartwell School, Seaside, CA

Pilot Program Components

We do three main types of activities in our ZNE Pilot

- **Consultation work**—project level assistance (similar to Savings by Design “*Design Assistance*” work)
- **Assessment work**—technical and market assessment and analysis
- **“Tell the world” work**—outreach, education, information

5 Key Program Elements

- 1. Communities (5)**
- 2. Demonstration Showcases (8 res, 4 commercial)**
- 3. Technology Advancement (25 assessments: 5 large, 20 small)**
- 4. Design Integration (Includes 2 design competitions, forums, coursework, and documented best practices)**

Pilot Program Budget: ~\$13 MM



Glidehouse, Novato, CA

Consultation Work

Community Level: 5 consultations at the community level

Residential Buildings: 8 consultations at the residential building level

Commercial Buildings: 4 at the commercial building level

Process:

- **Identify projects interested in assistance by way of a competitive process (RFI)**
- **Match projects with skilled design teams hired by PG&E**
- **Design teams provide assistance**
- **Model not unlike “Design Assistance” but more comprehensive**

Discussion
